


Name _____ Date _____

Make Shapes with Cubes

1. Use words, pictures, or both to show two shapes you made using four connecting cubes. Write a number sentence to match each shape.



Number sentence _____ Number sentence _____

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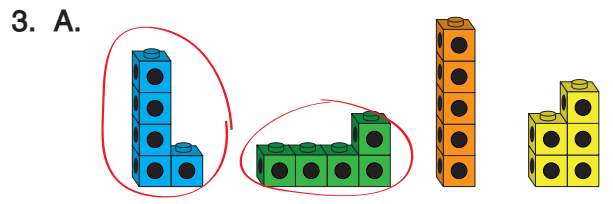
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Make Shapes with Cubes (SAB pp. 505-507)
Questions 1–3

- 1.* See Figure 2 in the Lesson for the eight possible 4-cube shapes. Number sentences will vary.
2. A. Responses will vary. Possible response: The number of cubes or volume is the same.
B. Possible responses: the shape is different; one is longer and one is shorter; one is a square and one isn't; one is straight and one is not)



- B. The volume of each building is 5 cubic units.
- C. Possible response: I counted the cubes

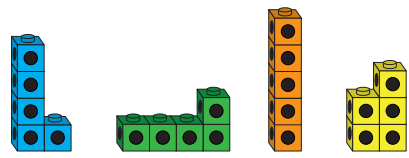
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2. Compare the two shapes.

- A. What is the same? _____

- B. What is different? _____

3. A. Look at the picture of the buildings below. Circle the two buildings that have the same shape.



- B. What is the volume of each building?
_____ cubic units
- C. Show or tell how you found the volume of each building.

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Expec- tations	Check It	Comments
Recognize that different partitions of a number have the same total. [Q# 1]	E1	
Apply the properties of addition to compose number sentences that represent the volume a building. [Q# 1]	E3	
Make connections between a building of cubes and number sentences. [Q# 1]	E4	
Identify shapes that are the same size and shape. [Q# 3A]	E5	
Recognize that different shapes can have the same volume. [Q# 2A, 3A]	E6	
Count and add cubic units to find volume. [Q# 1, 3B]	E8	
Yes ...		No ...
Yes, but ...		No, but ...

MP5C. Show my work. I show or tell how I found the volume so someone else can understand my thinking. [Q# 1, 3B]

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*Answers and/or discussion are included in the lesson.